

# MONTHLY WEATHER REVIEW

Editor, EDGAR W. WOOLARD

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## SERIAL NUMBERS OF WEATHER BUREAU PUBLICATIONS

By HERBERT LYMAN

(Weather Bureau, Washington, November 1937)

Beginning with January 1895 a serial number (e. g., W. B. 525) has been given to every Weather Bureau publication<sup>2</sup> that has a full title page or cover.<sup>1</sup> This series includes all folio, quarto, and octavo bulletins, Instrument Division circulars, important miscellaneous publications and extracts from the MONTHLY WEATHER REVIEW, and the successive numbers of the MONTHLY WEATHER REVIEW. As it was found that 59 publications had been issued prior to 1895, counting from the date on which the Weather Bureau was organized by the transfer of the meteorological duties of the Signal Service of the Army to the Department of Agriculture, July 1, 1891, the first publication of 1895 was given the serial number 60. The 59 numbers above referred to do not include the numerous publications issued by the Bureau (Signal Service) prior to its transfer from the War Department to the Department of Agriculture.

The reader is particularly urged to note carefully that the symbol "W. B. No. 545" refers to the *serial number* in the following list; it does *not* mean "Weather Bureau Bulletin No. 545," and should not be referred to as such.

Following is a list of publications in order of serial numbers except the MONTHLY WEATHER REVIEW and CLIMATOLOGICAL DATA which are given in separate tables, numbers 1 and 2, respectively.

W. B. No.	Title of publication
61	Instructions to Observers, and Code for Enciphering Reports at Cotton Region and Sugar and Rice Stations of the Weather Bureau.
63	Studies of Weather Types and Storms. No. 1. Types of Storms in January. <i>Extract from Monthly Weather Review.</i>
66	Circular B. Instructions for Use of Maximum and Minimum Thermometers. C. F. Marvin. Revised edition.
67	Circular C. Instructions for Use of the Rain Gauge. C. F. Marvin. Revised edition.
69	Climate and Health. No. 1.
71	Climate and Health. No. 2.
73	Climate and Health. No. 3.
75	Climate and Health. No. 4.
77	Bulletin No. 16. The Determination of the Relative Quantities of Aqueous Vapor in the Atmosphere by means of the Absorption Lines of the Spectrum. L. E. Jewell.
78	Climate and Health. No. 5.
80	Instructions to Wind-Signal (Storm-Warning) Displaymen of the Weather Bureau.
81	Statistics of the State Weather Services. O. L. Fassig. <i>Extract from Monthly Weather Review.</i>
82	Climate and Health. No. 6.
84	Climate and Health. Vol. 2, No. 1.
85	Departures from Normal Temperatures and Rainfall, with Crop Yields in Nebraska. H. H. C. Dunwoody.
86	Injury from Frost and Methods of Protection. H. E. Williams.
87	Display of Wind Signals on the Great Lakes.

W. B. No.	Title of publication
88	Bulletin No. 17. The Work of the Weather Bureau in Connection with the Rivers of the United States. Willis L. Moore.
90	Bulletin No. 18. Report of the Fourth Annual Meeting of the American Association of State Weather Services, held at Indianapolis, Indiana, October 16 and 17, 1895. James Berry.
92	Studies of Weather Types and Storms. Part 2. E. B. Garriott and others. <i>Extract from Monthly Weather Review.</i>
93	Climate and Health. Vol. 2, No. 2.
96	Climate and Health. Vol. 2, No. 3.
97	Bulletin No. 19. Report on the Relative Humidity of Southern New England and other Localities. A. J. Henry.
100	Bulletin No. 13. Temperatures Injurious to Food Products in Storage and During Transportation, and Methods of Protection from the Same. H. E. Williams. Reprinted as Farmers' Bulletin No. 125.
102	St. Louis Tornado. H. C. Frankenfield and A. J. Henry. <i>Extract from Monthly Weather Review.</i>
104	Responses to the Programme of Questions Proposed for Discussion at the International Meteorological Conference to be held in Paris, September 1896.
109	Circular G, Instrument Division. Instructions for the Care and Management of Sunshine Recorders. C. F. Marvin.
110	Kite Experiments at the Weather Bureau. C. F. Marvin. <i>Extract from Monthly Weather Review.</i>
112	Daily River Stages. Part V. For the years 1893, 1894, and 1895.
114	Bulletin No. 20. Storms, Storm Tracks, and Weather Forecasting. F. H. Bigelow.
119	Instructions to Voluntary Observers, 1897.
122	A Monograph on the Mechanics and Equilibrium of Kites. C. F. Marvin. <i>Extract from Monthly Weather Review.</i>
124	The Standard System of Coordinate Axes for Magnetic and Meteorological Observations and Computations. F. H. Bigelow. <i>Extract from Monthly Weather Review.</i>
125	Wind Barometer Tables. <i>Extract from Monthly Weather Review.</i>
126	Clothing and Temperature. W. F. R. Phillips. <i>Extract from Monthly Weather Review.</i>
127	Tables for Obtaining the Temperature of the Dewpoint, Relative Humidity, etc.
130	The Equations of Hydrodynamics in a Form Suitable for Application to the Earth's Atmosphere. J. Cottier. <i>Extract from Monthly Weather Review.</i>
132	Instructions for use of Aneroid Barographs on the Great Lakes.
133	Instructions Governing the Corn, Wheat, Cotton, Sugar, and Rice Region Service.
134	Instructions to Operators on the United States Seacoast Telegraph Lines.
136	Bulletin D. Rainfall of the United States, with Annual, Seasonal, and Other Charts. A. J. Henry.
137	Monthly Report of the River and Flood Service for September, 1897.
138	United States Daily Atmospheric Survey. Willis L. Moore.
139	Report of the Chief of the Weather Bureau for 1897. 8vo edition.
140	Forest and Rainfall. H. A. Hazen.
142	The Probable State of the Sky Along the Path of the Total Eclipse of the Sun, May 28, 1900. F. H. Bigelow. <i>Extract from Monthly Weather Review, 1897.</i>
143	Bulletin E. Floods of the Mississippi River. Park Morrill.

<sup>1</sup> See MONTHLY WEATHER REVIEW, November 1902, 30: 528-530; and July 1915, 43: 346-350.

<sup>2</sup> Except MONTHLY WEATHER REVIEW SUPPLEMENT No. 34.

- | W. B. No. | Title of publication  | W. B. No. | Title of publication   |
|-----------|---|-----------|--|
| 144       | Monthly Report of the River and Flood Service for October, 1897.  | 209       | Bulletin No. 27. The Probable State of the Sky Along the Path of Total Eclipse of the Sun, May 28, 1900. Observations of 1899. F. H. Bigelow.  |
| 145       | The Highest Kite Ascensions at Blue Hill. S. P. Ferguson. <i>Extract from Monthly Weather Review, 1897.</i>   | 211       | Bulletin No. 28. The Climate of San Francisco, Calif. A. G. McAdie and Geo. H. Willson.  |
| 147       | Monthly Report of the River and Flood Service for November, 1897. <i>Extract from Monthly Weather Review.</i>   | 213       | Meteorological Chart of the Great Lakes. Summary for the Season of 1899.   |
| 148       | An Improved Sunshine Recorder. D. T. Maring. <i>Extract from Monthly Weather Review.</i>  | 219       | Bulletin No. 29. Frost Fighting. A. G. McAdie.   |
| 149       | A Winter Barograph Curve from the South Pacific Ocean. <i>Extract from Monthly Weather Review.</i>  | 221       | Bulletin G. Atmospheric Radiation. F. W. Very.   |
| 150       | Bulletin No. 21. Abstract of a Report on Solar and Terrestrial Magnetism in Their Relations to Meteorology.   | 223       | Anemometer Tests. C. F. Marvin. <i>Extract from Monthly Weather Review.</i>  |
| 151       | Monthly Report of the River and Flood Service for December, 1897. <i>Extract from Monthly Weather Review.</i>   | 227       | Daily River Stages. Part VI. For 1896, 1897, 1898, and 1899.   |
| 153       | Monthly Report of the River and Flood Service for January, 1898. <i>Extract from Monthly Weather Review.</i>  | 228       | Tables of Daily Precipitation. H. C. Frankenfield.   |
| 156       | Monthly Report of the River and Flood Service for February, 1898. <i>Extract from Monthly Weather Review.</i>   | 231       | Report of the Chief of the Weather Bureau for 1900. 8vo.   |
| 158       | Monthly Bulletin of the River and Flood Service for March, 1898. <i>Extract from Monthly Weather Review.</i>  | 232       | Bulletin H. West India Hurricanes. E. B. Garriott.   |
| 159       | Wrecks and Casualties on the Great Lakes during 1895, 1896, and 1897.   | 233       | Circular D, Instrument Division. Anemometry. C. F. Marvin.   |
| 160       | Monthly Bulletin of the River and Flood Service, for April, 1898. <i>Extract from Monthly Weather Review.</i>   | 235       | Psychrometric Tables. C. F. Marvin.  |
| 162       | Normal Annual Sunshine and Snowfall. <i>Extract from Monthly Weather Review.</i>  | 237       | Meteorological Chart of the Great Lakes. Summary for the Season of 1900.   |
| 163       | Bulletin No. 22. Climate of Cuba; also, A Note on the Weather of Manila. W. F. R. Phillips.   | 241       | Circular F, Instrument Division. Barometers and Measurement of Atmospheric Pressure. C. F. Marvin. Second edition.   |
| 164       | Monthly Bulletin of the River and Flood Service for May, 1898. <i>Extract from Monthly Weather Review.</i>  | 244       | Meteorological Chart of the Great Lakes. No. 1. 1901.  |
| 166       | Circular K, Instrument Division. Instructions for Aerial Observers. C. F. Marvin.   | 248       | Weather Bureau Exhibit at the Pan-American Exposition. Buffalo, N. Y., 1901. <i>Reprint from Monthly Weather Review.</i>   |
| 167       | Circular A, Instrument Division. Instructions for Obtaining and Tabulating Records from Recording Instruments. C. F. Marvin.                          | 250       | Instructions for Voluntary Observers. Second edition.  |
| 168       | Investigation of the Cyclonic Circulation and the Translatory Movement of West Indian Hurricanes. Rev. B. Vines. <i>Extract from Bulletin No. 11.</i> | 252       | Circular G, Instrument Division. Instructions for the Care and Management of Sunshine Recorders. C. F. Marvin. Second edition.   |
| 169       | Bulletin of the River and Flood Service for June, 1898. <i>Extract from Monthly Weather Review.</i>   | 254       | The Solar Constant. F. W. Very. <i>Reprint from Monthly Weather Review.</i>  |
| 171       | Moisture Tables. C. F. Marvin. <i>Extract from Monthly Weather Review.</i>  | 256       | Bulletin No. 30. Loss of Life in the United States by Lightning. A. J. Henry.  |
| 173       | Monthly Bulletin of the River and Flood Service for July, 1898. <i>Extract from Monthly Weather Review.</i>   | 258       | Meteorological Chart of the Great Lakes. No. 2. 1901.  |
| 175       | Monthly Bulletin of the River and Flood Service for August, 1898. <i>Extract from Monthly Weather Review.</i>   | 262       | Bulletin J. Wind Velocity and Fluctuation of Water Level on Lake Erie. A. J. Henry.  |
| 177       | Monthly Bulletin of the River and Flood Service for September, 1898. <i>Extract from Monthly Weather Review.</i>                                      | 264       | Meteorological Chart of the Great Lakes. No. 1. 1902.  |
| 179       | The Probable State of the Sky Along the Path of Total Eclipse of the Sun, May 28, 1900. <i>Extract from Monthly Weather Review.</i>                   | 265       | Bulletin No. 31. Proceedings of the Second Convention of Weather Bureau Officials, held at Milwaukee, August 27-29, 1901.  |
| 180       | Aneroid Barometers. C. F. Marvin. <i>Extract from Monthly Weather Review.</i>   | 267       | Bulletin I. Eclipse Meteorology and Allied Problems.   |
| 181       | Report of the Chief of the Weather Bureau for 1898. 8vo.  | 268       | Bulletin No. 32. Hurricanes: Especially Those of Porto Rico and St. Kitts. W. H. Alexander.  |
| 182       | Monthly Bulletin of the River and Flood Service for October, 1898. <i>Extract from Monthly Weather Review.</i>  | 273       | Studies on the Statics and Kinematics of the Atmosphere in the United States. F. H. Bigelow. <i>Reprint from Monthly Weather Review.</i>   |
| 184       | Instructions for Voluntary Observers. 1899.   | 277       | Circular A, Instrument Division. Instructions for Obtaining and Tabulating Records from Recording Instruments. C. F. Marvin. Second edition.   |
| 186       | Bulletin No. 23. Frost. When to Expect it and How to Lessen the Injury Therefrom. W. H. Hammon.   | 280       | Meteorological Charts of the Great Lakes, 1902.  |
| 187       | Bulletin No. 24. Proceedings of the Convention of Weather Bureau Officials held at Omaha, Nebr., October 13-14, 1898. James Berry.                    | 285       | Circular E, Instrument Division. Measurement of Precipitation. C. F. Marvin. Second edition.   |
| 188       | Climate and Crop Report. Season of 1898. Alaska Section. H. L. Ball. <i>Extract from Monthly Weather Review.</i>                                      | 286       | Meteorological Chart of the Great Lakes, 1903.   |
| 191       | Bulletin No. 25. Weather Forecasting. Some Facts Historical, Practical, and Theoretical. Willis L. Moore.   | 288       | Bulletin K. Storms of the Great Lakes. E. B. Garriott.   |
| 193       | Circular E, Instrument Division. Measurement of Precipitation. C. F. Marvin.  | 290       | Studies on the Meteorological Effects of the Solar and Terrestrial Physical Processes. The Semidiurnal Periods in the Earth's Atmosphere. F. H. Bigelow. <i>Extract from Monthly Weather Review.</i> |
| 194       | Hydrology of the Lake Minnetonka Watershed. Geo. W. Cooley. <i>Extract from Monthly Weather Review.</i>   | 292       | Bulletin L. Climatology of California. Alexander G. McAdie.  |
| 197       | Bulletin No. 26. Lightning and the Electricity of the Air. A. G. McAdie and A. J. Henry. In two parts.  | 294       | Bulletin No. 33. Weather Folk-Lore and Local Weather Signs. E. B. Garriott.  |
| 199       | Property Loss by Lightning in 1898. A. J. Henry and A. G. McAdie.   | 298       | Meteorological Chart of the Great Lakes. Summary for 1903.   |
| 201       | Climatology of the Isthmus of Panama. H. L. Abbott. <i>Extract from the Monthly Weather Review.</i>   | 300       | Monthly Weather Review for December, 1903.   |
| 202       | An Advance in Measuring and Photographing Sounds. B. F. Sharp. <i>Extract from Monthly Weather Review.</i>  | 301       | Climatic Charts of the United States.  |
| 203       | Variations in Lake Levels and Atmospheric Pressure. <i>Extract from Monthly Weather Review.</i>   | 303       | Bulletin M. The Floods of the Spring of 1903 in the Mississippi Watershed. H. C. Frankenfield.   |
| 206       | Report of the Chief of the Weather Bureau for 1899. 8vo.  | 304       | Instructions Governing the Corn, Wheat, Cotton, and Sugar and Rice Regions Service. Second edition.  |
| 208       | Bulletin F. Vertical Gradients of Temperature, Humidity, and Wind Direction. (Kite Observations of 1898.) H. C. Frankenfield.                         | 309       | Meteorological Chart of the Great Lakes, 1904.   |
|           |   | 311       | Bulletin No. 34. Climate: Its Physical Basis and Controlling Factors. Willis L. Moore.   |
|           |   | 312       | Invariability of our Winter Climate. William B. Stockman. <i>Reprint from Monthly Weather Review.</i>  |
|           |   | 314       | On the General Circulation of the Atmosphere in Middle and Higher Latitudes. W. N. Shaw. <i>Reprint from Monthly Weather Review.</i>   |
|           |   | 316       | Studies on the Circulation of the Atmosphere of the Sun and of the Earth. F. H. Bigelow. <i>Reprint from Monthly Weather Review.</i>   |

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|-----------|---|-----------|--|
| 320       | Sunshine Tables; three parts.   | 456       | Circular G, Instrument Division. Instructions for the Care and Management of Sunshine Recorders. C. F. Marvin. Third edition.  |
| 322       | Bulletin No. 35. Long-Range Weather Forecasts. E. B. Garriott.  | 457       | Bulletin of the Mount Weather Observatory. Vol. 3, Title-page and Index.   |
| 324       | Meteorological Chart of the Great Lakes. No. 2. 1904.   | 459*      | Circulars B and C (combined). Instrument Division. Instructions for Cooperative Observers. C. F. Marvin. Fourth edition.   |
| 326       | Bulletin N. Periodic Variation of Rainfall in the Arid Region. William B. Stockman.   | 459*      | Bulletin of the Mount Weather Observatory. Vol. 4, Part 1.   |
| 327       | Evaporation Observations in the United States. H. H. Kimball. <i>Reprint from Monthly Weather Review.</i>   | 462       | Bulletin of the Mount Weather Observatory. Vol. 4, Part 2.   |
| 333       | Meteorological Chart of the Great Lakes, 1905.  | 463       | Bulletin No. 39. A course in Meteorology and Physical Geography. W. N. Allen.  |
| 334       | Bulletin O. Temperature and Relative Humidity Data. William B. Stockman.  | 466       | Bulletin of the Mount Weather Observatory. Vol. 4, Part 3.   |
| 336       | Improved Methods for Finding Altitude and Azimuth, Geographical Position, and the Variation of the Compass. G. W. Littlehale. <i>Reprint from Monthly Weather Review.</i> | 467       | Bulletin No. 42. Forecasting the Weather. G. S. Bliss.   |
| 338       | Report of the Chief of the Weather Bureau for 1905.   | 469       | Instructions to Special River and Rainfall Observers. ( <i>Reprint.</i> )  |
| 339       | Daily River Stages. Part VII. For the Years 1900, 1901, 1902, 1903, and 1904.   | 471       | Bulletin No. 40. The Relation between the Precipitation over the Watershed of the Ohio River above and the Stream-flow below at Cincinnati. J. Warren Smith.           |
| 342       | Bulletin No. 36. Relations between Climates and Crops. Cleveland Abbe.  | 472       | Circular F, Instrument Division. Barometers and the Measurement of Atmospheric Pressure. C. F. Marvin. Fourth edition.   |
| 344       | Studies on the Diurnal Periods in the Lower Strata of the Atmosphere. F. H. Bigelow.  | 473       | Bulletin No. 41. Forecasting Frost in the North Pacific States. E. A. Beals.   |
| 347       | Circulars B and C (combined), Instrument Division, instructions for Cooperative Observers. C. F. Marvin. Third edition.   | 476       | Bulletin W. Summaries of Climatological Data by Sections. (Also issued in 104 separate parts without W. B. numbers.)   |
| 349       | Bulletin No. 37. Recent Practice in the Erection of Lightning Conductors. Alfred J. Henry.  | 478       | Bulletin of the Mount Weather Observatory. Vol. 4, Part 4.   |
| 350       | Meteorological Chart of the Great Lakes, 1905. No. 2.   | 480       | Bulletin of the Mount Weather Observatory. Vol. 4, Part 5.   |
| 355       | Bulletin P. Cold Waves and Frost in the United States. E. B. Garriott.  | 482       | Bulletin of the Mount Weather Observatory. Vol. 4, Part 6.   |
| 356       | Meteorological Chart of the Great Lakes, 1906.  | 483       | Bulletin of the Mount Weather Observatory. Vol. 4, Title page and Index.   |
| 361       | Bulletin Q. Climatology of the United States. Alfred J. Henry.  | 487       | Bulletin X. Hurricanes of the West Indies. O. L. Fassig.   |
| 364       | Circular D, Instrument Division. Anemometry. C. F. Marvin. Third edition.   | 489       | Bulletin of the Mount Weather Observatory. Vol. 5, Part 1.   |
| 372       | Studies on the Thermodynamics of the Atmosphere. F. H. Bigelow. <i>Reprint from Monthly Weather Review.</i>   | 492       | Bulletin of the Mount Weather Observatory. Vol. 5, Part 2.   |
| 375       | Meteorological Chart of the Great Lakes, 1906. No. 2.   | 493       | Instructions governing the Corn, Wheat, Cotton, and Sugar and Rice Region Service. Third edition.  |
| 376       | Meteorological Chart of the Great Lakes, 1907.  | 494       | Bulletin of the Mount Weather Observatory. Vol. 5, Part 3.   |
| 379       | Report of the Chief of the Weather Bureau, 1906-7.  | 498       | Bulletin No. 43. The Rivers and Floods of the Sacramento and San Joaquin Watersheds. N. R. Taylor.   |
| 381       | Bulletin of the Mount Weather Observatory. Vol. 1, Part 1.  | 499       | Bulletin No. 44. The Climate of San Francisco. A. G. McAdie.   |
| 388       | Bulletin of the Mount Weather Observatory. Vol. 1, Part 2.  | 501       | Bulletin of the Mount Weather Observatory. Vol. 5, Part 4.   |
| 391       | Bulletin of the Mount Weather Observatory. Vol. 1, Part 3.  | 503       | Bulletin of the Mount Weather Observatory. Vol. 5, Part 5.   |
| 395       | Bulletin R. The Daily Normal Temperature and Precipitation of the United States. F. H. Bigelow.   | 505       | Bulletin of the Mount Weather Observatory. Vol. 5, Part 6.   |
| 397       | Instructions to the Marine Meteorological Observers of the United States Weather Bureau.  | 507       | Daily River Stages. Part XI. For the years 1911 and 1912.  |
| 400       | Bulletin of the Mount Weather Observatory. Vol. 1, Part 4.  | 509       | Circular A, Instrument Division. Instructions for Obtaining and Tabulating Records from Recording Instruments. C. F. Marvin. Third edition.                            |
| 401       | Circular F, Instrument Division. Barometers and the Measurement of Atmospheric Pressure. C. F. Marvin. Third edition.   | 511       | Bulletin of the Mount Weather Observatory. Vol. 6, Part 1.   |
| 403       | Daily River Stages. Part VIII. For the years 1905 and 1906.   | 512       | Brief List of Meteorological Text Books. C. F. Talman. (First edition, 1909; second edition, 1910; third edition, 1913.)   |
| 406       | Bulletin of the Mount Weather Observatory. Vol. 2, Part 1.  | 514       | Bulletin of the Mount Weather Observatory. Vol. 5, Title-page and Index.   |
| 408       | Bulletin S. Report on the Temperatures and Vapor Tensions of the United States. F. H. Bigelow.  | 517       | Bulletin of the Mount Weather Observatory. Vol. 6, Part 2.   |
| 409       | A Manual for Observers in Climatology and Evaporation.  | 518       | Circular G, Instrument Division. Instructions for the Care and Management of Electrical Sunshine Recorders. Fourth edition.  |
| 412       | Bulletin of the Mount Weather Observatory. Vol. 2, Part 2.  | 519       | Bulletin Y. The Ohio and Mississippi Floods of 1912. H. C. Frankenfield.   |
| 415       | Instructions to Special River and Rainfall Observers.   | 520       | Bulletin Z. The Floods of 1913 in the Rivers of the Ohio and Lower Mississippi Valleys. A. J. Henry.   |
| 418       | Bulletin of the Mount Weather Observatory. Vol. 2, Part 3.  | 522       | The Weather Bureau Kiosk. C. F. Marvin.  |
| 423       | Studies on the Vortices in the Atmosphere of the Earth. F. H. Bigelow. <i>Reprints from the Monthly Weather Review.</i>   | 524       | Bulletin of the Mount Weather Observatory. Vol. 6, Part 3.   |
| 427       | Bulletin of the Mount Weather Observatory. Vol. 2, Part 4.  | 526       | Bulletin of the Mount Weather Observatory. Vol. 6, Part 4.   |
| 428       | Bulletin of the Mount Weather Observatory. Vol. 2, Part 5.  | 530       | Circular D, Instrument Division. Instructions for the Installation and Maintenance of Wind Measuring and Recording Apparatus. Fourth revision.                         |
| 430       | Bulletin of the Mount Weather Observatory. Vol. 2, Part 6.  | 532       | Bulletin of the Mount Weather Observatory. Vol. 6, Part 5.   |
| 432       | Bulletin of the Mount Weather Observatory. Vol. 3, Part 1.  | 538       | Monthly Weather Review. Supplement No. 1. Types of Storms of the United States and their Average Movements. E. H. Bowie and R. H. Weightman.                           |
| 435       | Bulletin No. 38. Mississippi River Levees and their Effect on River Stages during Flood Periods. S. C. Emery.   | 539       | Circulars B and C (combined), Instrument Division. Instructions for Cooperative Observers. Fifth edition.  |
| 437       | Bulletin of the Mount Weather Observatory. Vol. 3, Part 2.  | 542       | Papers on Frosts and Frost Protection in the United States. <i>Reprinted from Monthly Weather Review, October 1914.</i>  |
| 439       | Bulletin of the Mount Weather Observatory. Vol. 3, Part 3.  | 549       | Daily River Stages. Part XII. For the years 1913 and 1914.   |
| 441       | Bulletin of the Mount Weather Observatory. Vol. 3, Part 4.  | 558       | Monthly Weather Review. Supplement No. 2. Calendar of the common trees of the eastern United States, by G. N. Lamb; Phenological data by T. Mikesell at Wauseon, Ohio. |
| 443       | Bulletin T. Frost and Temperature Conditions in the Cranberry Marshes of Wisconsin. H. J. Cox.  | 559       | Circular L, Instrument Division. Instructions for the Installation and Operation of Class "A" Evaporation Stations. B. C. Kadel.                                       |
| 444       | Instructions to Marine Meteorological Observers of the Weather Bureau. Third edition.   |           |  |
| 445       | Circular E, Instrument Division. Measurement of Precipitation. C. F. Marvin. Third edition, and reprint of 1913.  |           |  |
| 447       | Bulletin U. Temperature Departures, Monthly and Annual, in the United States. 1873 to 1909.   |           |  |
| 449       | Bulletin V. Frost Data of the United States. P. C. Day.   |           |  |
| 450       | Instructions for Operating the Hydrograph. Appendix to Circular A, Instrument Division. C. F. Marvin.   |           |  |
| 453       | Daily River Stages. Part X. For the years 1909 and 1910. (The serial number was inadvertently omitted from Part IX, 1907 and 1908.)                                       |           |  |
| 454       | Bulletin of the Mount Weather Observatory. Vol. 3, Part 5.  |           |  |

\* (Serial number erroneously repeated.)

- | W. B. No. | Title of publication   | W. B. No. | Title of publication  |
|-----------|--|-----------|---|
| 579       | Instructions to Special River and Rainfall Observers.  | 749       | Monthly Weather Review Supplement No. 18. Bibliography of the Climate of South America. Margaret M. Welch.  |
| 580       | Tables for Computing Time of Moonrise and Moonset.   | 757       | Monthly Weather Review Supplement No. 17. Streamflow Experiment at Wagon Wheel Gap, Colo. C. G. Bates and A. J. Henry.  |
| 582       | Daily River Stages, 1915. Part XIII.   | 763       | Daily River Stages, 1920. Vol. XVIII.   |
| 583       | Weather Forecasting in the United States.  | 768       | Monthly Weather Review Supplement No. 20. An Aerological Survey of the United States. W. R. Gregg.  |
| 584       | Weather Code.  | 771       | Circular E, Instrument Division. Measurement of Precipitation. (Reprint.)   |
| 587       | Instructions for the Care and Management of Storm-warning Stations.  | 777       | Daily River Stages, 1921. Vol. XIX.   |
| 592       | Monthly Weather Review Supplement No. 3, Aerology No. 1. Sounding-balloon Ascensions at Fort Omaha, Nebr., May 8, 1915, etc.   | 780       | Circular A (Instrument Division). Instructions for obtaining and Tabulating Records from Recording Instruments. Third edition.                                      |
| 598       | Bulletin No. 42. Forecasting the Weather. Second edition. Geo. D. Bliss.   | 784       | Monthly Weather Review Supplement No. 21. The Preparation and Significance of Free-air Pressure Maps for the Central and Eastern United States. C. LeRoy Meisinger. |
| 600       | Monthly Weather Review Supplement No. 4. Types of Anticyclones of the United States and Their Average Movements. E. H. Bowie and R. H. Weightman.  | 792       | Monthly Weather Review Supplement No. 22. The Spring Floods of 1922. H. C. Frankenfield.  |
| 603       | Monthly Weather Review Supplement No. 5, Aerology No. 2. Free-air data at Drexel Aerological Station, February and March 1916.   | 796       | Monthly Weather Review Supplement No. 19. Thermal Belts and Fruit Growing in North Carolina. H. J. Cox.   |
| 609       | Monthly Weather Review Supplement No. 6. Relative Humidities and Vapor Pressures over the United States, including a discussion of data from recording hair hygrometers for a period of about 5 years.           | 802       | Circular G, Instrument Division. Care and Management of Electric Sunshine Recorders.  |
| 611       | Daily River Stages, 1916. Vol. XIV.  | 805       | Sunshine Tables. Parts I, II, and III.  |
| 612       | Telegraph Code—West Indies and Caribbean Sea.  | 811       | Circular D, Appendix No. 2. Instructions for Wiring Meteorological Instruments.   |
| 616       | Radiographic Weather Code for Vessel Weather Observers.  | 813       | Monthly Weather Review Supplement No. 23. The Temperature of Mexico. Jesus Hernandez.   |
| 619       | Monthly Weather Review Supplement No. 7, Aerology No. 3. Sounding-balloon Ascensions at Fort Omaha, Nebr., May 8, 1915, etc.   | 814       | Weather Code. Revised 1924.   |
| 637       | Instructions for Installation and Use of Telethermoscope.  | 819       | Daily River Stages, 1922. Vol. XX.  |
| 639       | Instructions Governing Corn and Wheat, Cotton, Sugar, etc., services. Fourth edition.  | 838       | Daily River Stages, 1923. Vol. XXI.   |
| 641       | Instructions to Operators of United States Weather Bureau Telegraph and Telephone Lines.   | 840       | Monthly Weather Review Supplement No. 24. West Indian Hurricanes and Other Cyclones of the North Atlantic Ocean. Charles L. Mitchell.                               |
| 642       | Monthly Weather Review Supplement No. 8, Aerology No. 4. Free-air data at Drexel Aerological Station, July to December 1916.   | 843       | Circulars B and C. Instructions for Cooperative Observers.  |
| 643       | Monthly Weather Review Supplement No. 9. Periodical Events and Natural Law as Guides to Agricultural Research and Practice.  | 846       | Instructions to River and Rainfall Observers. H. C. Frankenfield.   |
| 651       | Monthly Weather Review Supplement No. 10, Aerology No. 5. Free-air data at Drexel Aerological Station, January to June 1917.   | 855       | Monthly Weather Review Supplement No. 25. Normals of Daily Temperature for the United States. Charles F. Marvin and P. C. Day.                                      |
| 655       | Tables for Dividing.   | 860       | Radiographic Weather Code Book for Vessel Weather Observers. 1925.  |
| 656       | Daily River Stages, 1917. Vol. 15 (and 25 unbound sheets).   | 862       | Bulletin No. 42. Weather Forecasting. Geo. S. Bliss.  |
| 658       | Monthly Weather Review Supplement No. 11, Aerology No. 6. Free-air data at Drexel Aerological Station, July to December 1917.  | 866       | Circular M, Marine Division. Instructions to Marine Meteorological Observers.   |
| 660       | Monthly Weather Review Supplement No. 12, Aerology No. 7. Free-air data at Drexel Aerological Station and Ellendale, N. Dak., January to March 1918, and free-air temperatures during the cold winter of 1917.   | 869       | Daily River Stages, 1924. Vol. XXII.  |
| 663       | Monthly Weather Review Supplement No. 13, Aerology No. 8. Free-air data at Drexel and Ellendale aerological stations, April to June 1918.  | 900       | Monthly Weather Review Supplement No. 26. An Aerological Survey of the United States. Part II. Willis Ray Gregg.  |
| 672       | Monthly Weather Review Supplement No. 14, Aerology No. 9. Free-air data at Broken Arrow, Okla., Drexel, Nebr., Ellendale, N. Dak., and Royal Center, Ind., aerological stations, July to September 1918.         | 902       | Daily River Stages, 1925. Vol. XXIII.   |
| 673       | Circular B and C. Instructions to Cooperative Observers. Sixth edition.  | 906       | Monthly Weather Review Supplement No. 27. Montezuma Pyrheliometry. Charles G. Abbot.  |
| 678       | Marine Meteorological Service of the United States.  | 908       | Aerological Code, 1926.   |
| 687       | Monthly Weather Review Supplement No. 15, Aerology No. 10. Free-air data at Broken Arrow, Okla., Drexel, Nebr., Ellendale, N. Dak., Groesbeck, Tex., Leesburg, Ga., and Royal Center, Ind. aerological stations. | 914       | (This serial number not used.)  |
| 689       | Daily River Stages, 1918. Vol. XVI.  | 917       | Monthly Weather Review Supplement No. 28. Climatological Data for the Tropical Islands of the Pacific Ocean (Oceania). W. W. Reed.                                  |
| 701       | Monthly Weather Review Supplement No. 16. Predicting Minimum Temperatures from Hygrometric Data.   | 920       | Daily River Stages, 1926. Vol. XXIV.  |
| 705       | Radiographic Weather Code for Vessel Weather Observers.  | 936       | Monthly Weather Review Supplement No. 29. The Floods of 1927 in the Mississippi Basin. H. C. Frankenfield.  |
| 712       | Circular I, Instrument Division.   | 946       | Monthly Weather Review Supplement No. 30. Forest and Streamflow Experiment at Wagon Wheel Gap, Colo. C. G. Bates and A. J. Henry.                                   |
| 718       | Daily River Stages, 1919. Vol. XVII.   | 950       | Circular N, Aerological Division. Instructions for Airway Observers.  |
| 731       | Radiographic Weather Code for Vessel Reporters.  | 952       | Monthly Weather Review Supplement No. 31. Climatological Data for Northern and Western Tropical South America. W. W. Reed.  |
| 737       | Bulletin No. 42. Weather Forecasting. Geo. S. Bliss.   | 956       | Cloud Forms (book).   |
| 740       | Instructions for Aerological Observers. W. R. Gregg.   | 960       | Daily River Stages, 1927. Vol. XXV.   |
| 746       | Circular J. Instructions for the Installation and Maintenance of Marvin Water-Stage Register, with specifications.   | 961       | Circular O, Aerological Division. Instructions for Making Pilot-Balloon Observations.   |
|           |  | 972       | Weather Forecasting. Geo. S. Bliss.   |
|           |  | 991       | Circular M, Marine Division. Instructions to Marine Meteorological Observers. Fifth Edition.  |

W. B. No.	Title of publication
993	Daily River Stages, 1928. Vol. XXVI.
995	Monthly Weather Review Supplement No. 32. Climatological Data for Southern South America. W. W. Reed.
999	Monthly Weather Review Supplement No. 33. Climate of Mexico. John L. Page.
1005	International Radio Weather Code for Use of United States Selected Ships, 1930.
1010	Circular F, Instrument Division. Barometers and the Measurement of Atmospheric Pressure.
1017	Aerological Code, 1930. Pilot Balloons.
1022	Circular P, Aerological Division. Instructions for Making Aerological Observations.
1024†	Monthly Weather Review Supplement No. 34. The Daily, Monthly, and Annual Normals of Precipitation in the United States.
1030	Daily River Stages, 1929. Vol. XXVII.
1038	Vessel Weather Code, 1931.
1043	Tables for Computing Horizontal Distance of Pilot Balloons, 1931.
1046	International Code for Radio Weather Reports from Ships.
1047	Weather Code, 1931.
1051	Circular Q. Pyrheliometers and Pyrheliometric Measurements.
1055	Daily River Stages, 1930. Vol. XXVIII.
1059	Circular N, second edition. Instructions for Airway Observers.
1071	Relative Humidity—Centigrade Degrees.
1091	Daily River Stages, 1931. Vol. XXIX.
1108*	Daily River Stages, 1932. Vol. XXX.
1110	Monthly Weather Review Supplement No. 35. Upper-air Wind Roses and Resultant Winds for the Eastern Section of the United States. Loyd A. Stevens.
1143	Daily River Stages, 1933. Vol. XXXI.
1151	Circular R. Preparation and Use of Weather Maps.
1170	Daily River Stages, 1934. Vol. XXXII.
1196	Daily River Stages, 1935. Vol. XXXIII.
1202	Monthly Weather Review Supplement No. 36. Winds in the Upper Troposphere and Lower Stratosphere over the United States. Loyd A. Stevens.
1221	Circular M. Instructions to Marine Meteorological Observers. 6th ed.

† Serial number was not printed on publication.

\* Serial number erroneously repeated.

TABLE 1.—Monthly Weather Review

Vol. No.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
22.	60	64	65	68	70	72	74	76	79	83	89	91	62
23.	95	98	99	101	103	105	106	107	108	111	113	115	94
24.	117	118	120	121	123	128	129	131	135	141	146	152	151
25.	165	167	161	165	170	172	174	176	178	183	185	189	190
26.	192	195	196	198	200	204	205	207	210	212	214	215	216
27.	217	218	220	222	224	225	226	229	230	234	236	238	239
28.	240	242	243	245	246	247	249	251	253	255	257	259	260
29.	261	263	266	269	270	271	272	274	275	278	279	281	282
30.	282	283	284	287	289	291	293	295	296	297	299	300	302
31.	305	306	307	308	310	313	315	317	318	319	321	323	325
32.	328	329	330	331	332	335	337	340	341	343	345	346	348
33.	351	352	353	354	357	358	359	360	362	363	365	366	367
34.	368	369	370	371	373	374	377	378	380	382	383	384	385
35.	386	387	389	390	392	393	394	396	398	399	402	404	405
36.	407	410	411	413	414	416	417	419	420	421	422	424	425
37.	425	426	429	431	433	434	436	438	440	442	446	448	449
38.	451	452	455	458	460	461	464	465	468	470	474	475	476
39.	477	479	481	484	485	486	488	490	491	495	496	497	498
40.	500	502	504	506	508	510	513	515	516	521	523	525	526
41.	527	528	529	531	533	534	535	536	537	540	541	543	544
42.	545	547	550	553	554	557	560	563	564	567	569	570	571
43.	572	575	577	581	586	589	591	594	596	599	602	605	606
44.	607	610	614	617	620	622	624	626	628	630	632	634	635
45.	636	640	644	647	648	653	659	661	664	666	669	671	672
46.	675	677	680	682	684	688	691	693	695	696	699	702	703
47.	704	706	707	709	711	713	715	717	721	723	725	728	729
48.	732	734	736	738	741	743	748	750	753	755	759	761	762
49.	764	766	769	772	775	778	781	782	786	789	790	793	794
50.	795	798	800	803	806	809	810	815	818	821	823	825	826
51.	826	829	831	833	836	839	841	845	848	850	852	854	855
52.	857	859	864	867	870	872	875	876	878	880	882	884	885
53.	886	888	891	893	895	897	899	903	905	909	911	913	914
54.	915	918	922	924	927	928	930	932	935	938	940	942	943
55.	944	945	951	954	957	959	963	965	967	969	971	974	975
56.	976	979	981	983	985	987	989	992	996	998	1001	1003	1004
57.	1006	1008	1012	1014	1016	1019	1021	1025	1027	1029	1032	1034	1035
58.	1036	1039	1041	1045	1048	1050	1053	1056	1058	1061	1062	1066	1067
59.	1068	1072	1075	1077	1078	1080	1082	1084	1086	1088	1090	1093	1094
60.	1096	1099	1100	1101	1104	1106	*1109	1111	1112	1115	1117	1119	1120
61.	1121	1124	1126	1128	1130	1132	1134	1136	1138	1140	1141	1145	1146
62.	1148	1150	1153	1156	1157	1160	1161	1163	1165	1167	1169	1171	1172
63.	1173	1176	1178	1181	1183	1185	1187	1189	1190	1193	1195	1198	1199
64.	1200	1203	1205	1207	1210	1212	1214	1215	1217	1220	-----	-----	-----
65.													

\* Serial number erroneously repeated.

TABLE 2.—Climatological data for the United States by sections

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1914.	544	546	548	552	555	556	561	562	565	566	568	571	551
1915.	573	574	578	585	588	590	593	595	597	601	604	606	615
1916.	608	613	618	621	623	625	627	629	631	633	635	638	650
1917.	645	646	649	652	654	657	662	665	667	668	670	674	685
1918.	676	679	681	683	686	690	692	694	697	698	700	703	719
1919.	708	710	714	716	720	722	724	726	727	729	730	733	745
1920.	735	739	742	744	747	751	752	754	755	756	760	762	770
1921.	765	767	773	774	776	779	783	785	787	788	791	794	801
1922.	797	799	804	807	808	812	816	817	820	822	824	827	832
1923.	828	830	834	835	837	842	844	847	849	851	853	856	863
1924.	858	861	865	868	871	873	874	877	879	881	883	885	889
1925.	887	890	892	894	896	898	901	904	907	910	912	916	921
1926.	919	923	925	926	929	931	933	934	937	939	941	943	949
1927.	947	948	953	955	958	962	964	966	968	970	973	975	977
1928.	978	980	982	984	986	988	990	994	997	1000	1002	1004	1009
1929.	1007	1011	1013	1015	1018	1020	1023	1026	1028	1031	1033	1035	1040
1930.	1037	1042	1044	1049	1052	1054	1057	1060	1063	1064	1065	1067	1069
1931.	1070	1073	1074	1076	1079	1081	1083	1085	1087	1089	1092	1094	1095
1932.	1097	1098	1102	1103	1105	1107	*1108	*1109	1113	1114	1116	1118	1120
1933.	1122	1123	1125	1127	1129	1131	1133	1135	1137	1139	1142	1144	1147
1934.	1146	1149	1152	1154	1155	1158	1159	1162	1164	1166	1168	1172	1180
1935.	1174	1175	1177	1179	1182	1184	1186	1188	1191	1192	1194	1197	1199
1936.	1201	1204	1206	1208	1209	1211	1213	1216	1218	1219	-----	-----	-----
1937.													

\* Serial number erroneously repeated.

While the above lists embrace the vast majority of Weather Bureau publications, there are a few of general interest that have not received serial numbers, such as—

*Proceedings of the Third Convention of Weather Bureau Officials held at Peoria, Ill., September 20–22, 1904.* Washington, 1904. 267 pp. 8vo.

*Climatological Data*, for each of 46 sections, monthly. 8pp. 4°. (Chiefly published at section centers. A separate issue of text and tables appears since January 1914, in corresponding sections of *Climatological Data for the United States by Sections*, as listed under W. B. No. 544 and elsewhere.)

*Weekly Weather and Crop Bulletin*, monthly or weekly. 4–8 pp. 4°.

*Snow and Ice Bulletin*, with chart, weekly during the winter. f°. (This bulletin was merged with the *Weekly Weather and Crop Bulletin* in 1932.)

*The Weather Bureau*. Reissued from time to time. Latest edition, 1931.

*Explanation of the Weather Map*. n. d. 4 pp. 8vo.

Various climatological charts.

Publication of the MONTHLY WEATHER REVIEW began with the year 1873, but volume numbers first appeared in the issue for February 1883 which was designated as vol. 11, No. 2; the first title page was for vol. 14, 1886. The issues for the 27 years 1883 to 1909, inclusive, comprise volumes 11 to 37, one volume to each year. Each volume usually consists of 12 monthly numbers; an Annual Summary and annual index were first given for vol. 17, 1889, and in vol. 21, 1893, the Annual Summary was advanced to a separate, thirteenth, part of which appeared annually thereafter until omitted from vol. 37, 1909. One volume of the REVIEW has appeared each year to date, the issues for 1937 comprising vol. 65; the volumes for 1910 to 1913, inclusive, are so bulky, however, as to necessitate binding each in two parts.

Each monthly number of the REVIEW carries the weather data and climatological statistics for the month named on the cover. Since about 4 weeks are required to assemble these data after the close of the month to which they pertain, and further time is consumed in the process of publication, a given issue commonly appears about 2½ months after the close of the month named on its cover.